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Morbidity and Mortality Weekly Report

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Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5131

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended March 4, 1961

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Influenza – Reports of influenza within the continental United States continue to be noticeably absent.

Hepatitis – The 2,091 cases reported this week slightly exceed last week's record high.

EPIDEMIOLOGICAL REPORTS

Poliomyelitis – Rhode Island

During the summer of 1960, Rhode Island suffered its first poliomyelitis epidemic in five years. A total of 121 illnesses were investigated and of these, one hundred, including 73 paralytic and 27 non-paralytic, have been recorded as 1960 cases. Polio virus type I has been isolated thus far from 44 of the paralytic and all of the non-paralytic cases.

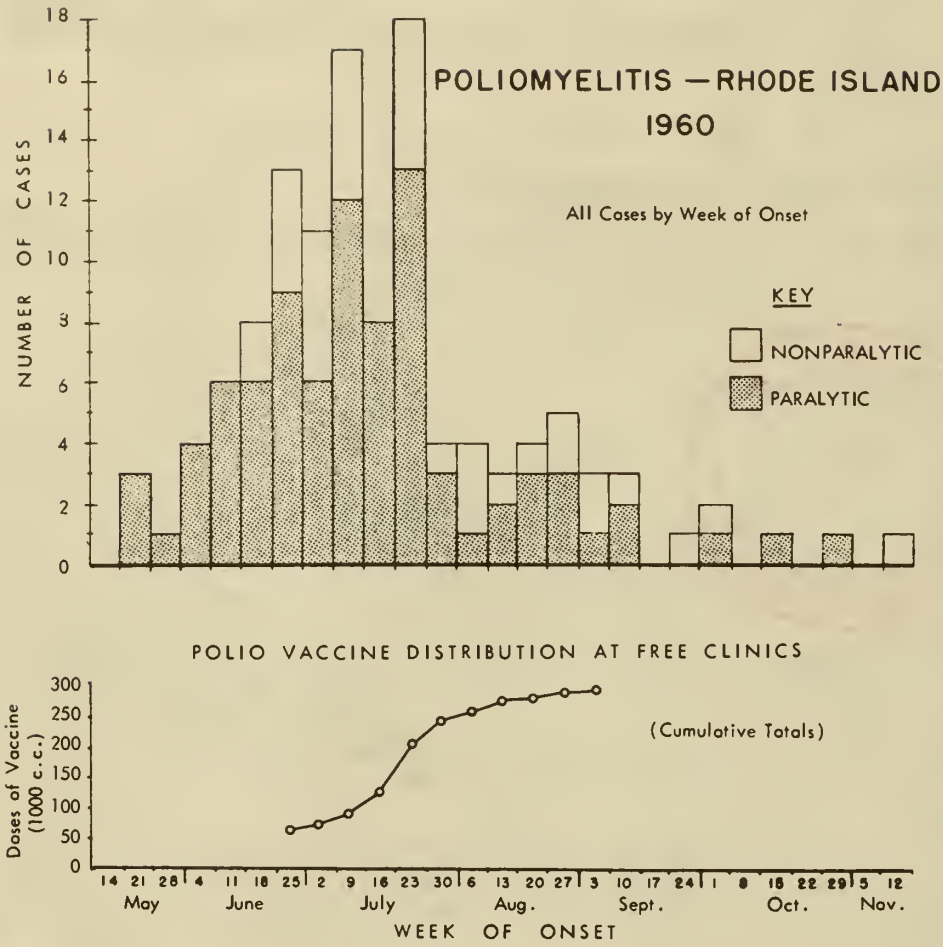
This epidemic was unusually early in starting (May 21) reached a peak in mid-July and fell off earlier than the epidemics of the past. The accompanying figure shows the cases by week of onset. The cases were concentrated in middle lower and lower socioeconomic children residing primarily in Providence and Pawtucket. Eighty-five percent of the paralytic cases were children under 10 years

Table I. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	9th Week			Cumulative						Approximate seasonal low point
				First 9 weeks			Since seasonal low week			
	Ended March 4, 1961	Ended March 5, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax-----062	-	4	*	-	4	*	*	*	*	*
Botulism-----049.1	-	-	*	4	3	*	*	*	*	*
Brucellosis (undulant fever)-----044	13	15	15	80	142	130	*	*	*	*
Diphtheria-----055	9	15	22	164	181	186	744	711	915	July 1
Encephalitis, infectious-----082	28	29	27	198	228	181	198	228	181	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	2,091	716	567	15,542	6,598	4,584	30,745	14,440	9,717	Sept. 1
Malaria-----110-117	1	3	*	7	9	*	*	*	*	*
Measles-----085	14,250	13,484	16,761	92,327	85,685	101,587	128,537	121,772	134,046	Sept. 1
Meningitis, aseptic-----340 pt.	19	31	---	203	264	---	203	264	---	Jan. 1
Meningococcal infections-----057	43	54	66	460	502	516	1,114	1,166	1,284	Sept. 1
Poliomyelitis-----080	5	16	19	78	169	189	3,144	8,443	8,443	Apr. 1
Paralytic-----080.0,080.1	1	7	17	43	118	135	2,152	5,619	5,619	Apr. 1
Nonparalytic-----080.2	3	6	1	17	29	28	640	2,146	2,146	Apr. 1
Unspecified-----080.3	1	3	1	18	22	26	352	678	678	Apr. 1
Psittacosis-----096.2	2	2	*	10	16	*	*	*	*	*
Rabies in man-----094	-	-	*	2	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	10,643	10,087	---	85,196	79,090	---	182,848	---	---	Aug. 1
Typhoid fever-----040	13	10	13	80	83	130	782	810	1,142	Apr. 1
Typhus fever, endemic-----101	-	-	*	6	5	*	*	*	*	*
Rabies in animals-----	89	79	96	550	712	805	1,126	1,694	1,694	Oct. 1

* Weekly incidence low or sporadic
--- Data not available
- Quantity zero



of age. The following table shows the age distribution of paralytic cases by vaccination status. More than 56% of the paralytic cases had either no doses or one dose of vaccine. On the other hand, 26% had received a full series of three or more doses. Although this might be seen as a relatively high number of vaccine failures, it was found by comparing the number of cases in each group with the number at risk that a far greater proportion of children had three or more doses of vaccine and the attack rate among vaccinated persons was actually very low and among the unvaccinated very high. The estimated effectiveness of vaccine in Rhode Island was 81%, which compares with findings in other recent outbreaks.

Over 50% of the cases had a traceable contact with another case and 11 families had multiple cases which accounted for 26 cases.

During the epidemic 500,000 doses of vaccine were distributed, 300,000 from free clinics and the remaining by private practitioners. As indicated in the lower part of the figure, the greatest part of this vaccine was distributed during July directly prior to the sudden fall off in the epidemic. (Reported by Dr. Raymond F. McAteer, Medical Director, Division of Communicable Diseases, Rhode Island Department of Health.)

PARALYTIC WITH RESIDUAL

Age Group	Doses of Vaccine 0	1	2	3	4	5	Total	Percent
0-4	12	12	7	4	3	-	38	52.1
5-9	5	7	5	5	1	1	24	32.9
10-14	-	-	1	3	1	-	5	6.8
15-19	1	-	-	-	-	-	1	1.4
20-29	2	2	-	1	-	-	5	6.8
30+	-	-	-	-	-	-	-	-
TOTAL	20	21	13	13	5	1	73	100.0
PERCENT	27.4	28.8	17.8	17.8	6.8	1.4	100.0	

Undiagnosed Epidemic Exanthem – Vermont

An outbreak of illness with exanthem has been occurring in a Vermont college preparatory school for boys age 14 to 19 years. The first case was noted on January 18, and 34 of the 75 boys have since been ill.

The illness is characterized by some or all of the following symptoms and signs: a generalized skin rash, moderately severe sore throat without exudate, mild fever usually not more than 102°, severe headache, dizziness, pain in or behind the eyes, weakness, cervical and auricular lymphadenopathy and conjunctival injection. Also noted frequently are irritability, malaise, and anorexia. Occasionally there is gastric disturbance, and infrequently, muscle aching and joint pain. Hepatosplenomegaly has not been noted.

The exanthem is quite characteristic, although it does not occur in all cases. It appears at the onset of

(Continued on page 8)

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MARCH 5, 1960 AND MARCH 4, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080								Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	9th Week		Cumulative, first 9 weeks		9th Week		Cumulative, first 9 weeks		080.2		340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	5	16	78	169	1	7	43	118	3	6	19	13
NEW ENGLAND	-	1	2	6	-	1	2	6	-	-	-	-
Maine	-	1	-	2	-	1	-	2	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	1	4	-	-	1	4	-	-	-	-
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut	-	-	1	-	-	-	1	-	-	-	-	-
MIDDLE ATLANTIC	-	1	7	28	-	-	6	19	-	1	-	1
New York	-	1	2	26	-	-	1	17	-	1	-	-
New Jersey	-	-	1	2	-	-	1	2	-	-	-	1
Pennsylvania	-	-	4	-	-	-	4	-	-	-	-	-
EAST NORTH CENTRAL	-	7	12	22	-	-	7	4	-	4	5	-
Ohio	-	2	7	13	-	-	3	2	-	-	-	-
Indiana	-	-	-	-	-	-	-	-	-	-	1	-
Illinois	-	-	2	3	-	-	2	2	-	-	1	-
Michigan	-	4	1	4	-	-	1	-	-	4	3	-
Wisconsin	-	1	2	2	-	-	1	-	-	-	-	-
WEST NORTH CENTRAL	-	-	1	8	-	-	1	5	-	-	1	9
Minnesota	-	-	1	4	-	-	1	4	-	-	-	-
Iowa	-	-	-	2	-	-	-	1	-	-	-	7
Missouri	-	-	-	1	-	-	-	-	-	-	-	1
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	1	-	-	-	-	-	-	1	-
Nebraska	-	-	-	-	-	-	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-	-	-	1
SOUTH ATLANTIC	1	1	7	33	-	1	5	27	1	-	2	-
Delaware	-	-	1	-	-	-	1	-	-	-	2	-
Maryland	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia	1	-	1	2	-	-	-	2	1	-	-	-
North Carolina	-	1	2	12	-	1	2	12	-	-	-	-
South Carolina	-	-	-	2	-	-	-	2	-	-	-	-
Georgia	-	-	1	1	-	-	1	1	-	-	-	-
Florida	-	-	2	16	-	-	1	10	-	-	-	-
EAST SOUTH CENTRAL	1	-	10	4	-	-	-	3	1	-	2	-
Kentucky	1	-	10	3	-	-	-	2	1	-	1	-
Tennessee	-	-	-	-	-	-	-	-	-	-	-	-
Alabama	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	1	-	-	-	1	-	-	1	-
WEST SOUTH CENTRAL	1	-	9	9	-	-	4	7	1	-	1	2
Arkansas	-	-	1	-	-	-	-	-	-	-	-	-
Louisiana	-	-	3	4	-	-	2	3	-	-	-	2
Oklahoma	-	-	-	1	-	-	-	1	-	-	-	-
Texas	1	-	5	4	-	-	2	3	1	-	1	-
MOUNTAIN	1	-	13	10	-	-	7	6	-	-	2	1
Montana	-	-	1	4	-	-	1	3	-	-	-	-
Idaho	-	-	2	4	-	-	-	1	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	3	-	-	-	3	-	-	-	-	-
New Mexico	1	-	1	-	-	-	-	-	-	-	2	-
Arizona	-	-	2	2	-	-	1	2	-	-	-	-
Utah	-	-	4	-	-	-	2	-	-	-	-	1
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	1	6	17	49	1	5	11	41	-	1	6	-
Washington	-	1	-	4	-	1	-	4	-	-	-	-
Oregon	-	-	2	7	-	-	1	3	-	-	-	-
California	1	5	15	37	1	4	10	33	-	1	6	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	1	-	-	-	1	-	-	-	-
Puerto Rico	-	-	1	12	-	-	1	12	-	-	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MARCH 5, 1960 AND MARCH 4, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

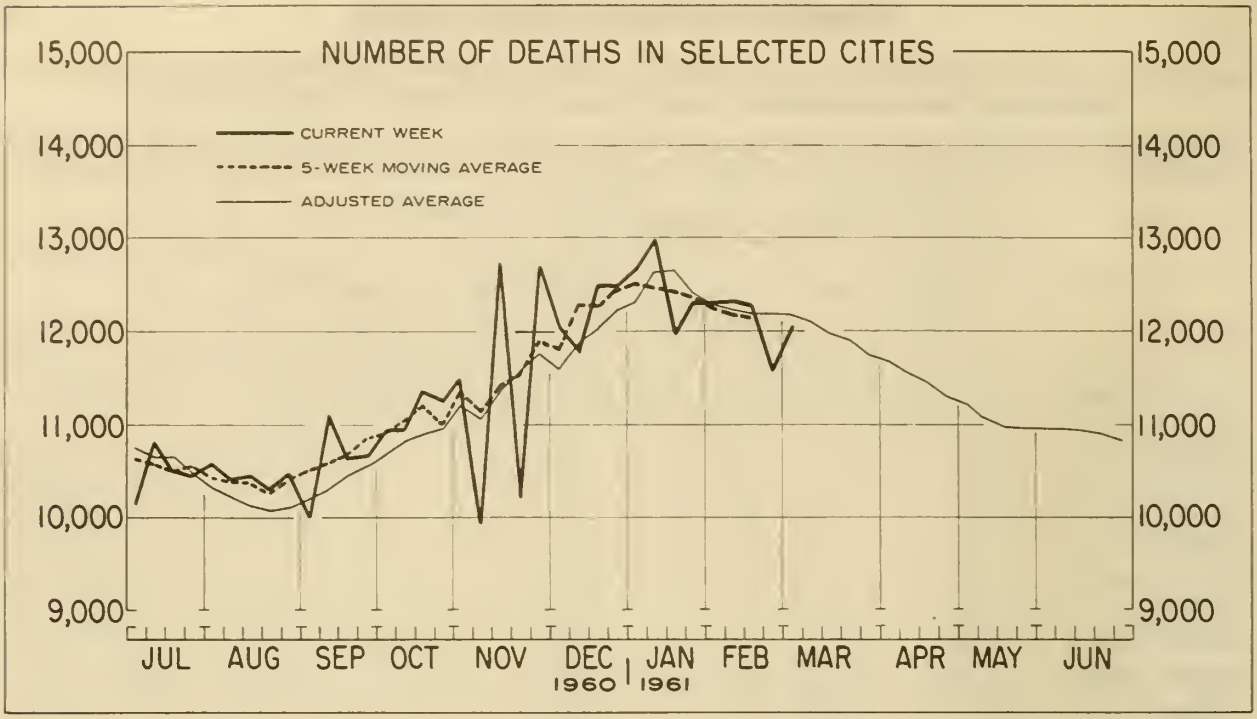
Area	Diphtheria 055				Encephalitis, infectious 082		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles 085	
	9th Week		Cumulative, first 9 weeks				9th Week		Cumulative, first 9 weeks			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	9	15	164	181	28	29	2,091	716	15,542	6,598	14,250	13,484
NEW ENGLAND	-	-	2	5	2	5	66	10	492	221	1,052	796
Maine	-	-	-	1	-	-	4	-	24	14	11	69
New Hampshire	-	-	-	-	-	-	7	1	31	1	6	14
Vermont	-	-	-	-	-	-	3	-	82	5	39	2
Massachusetts	-	-	2	3	1	3	22	8	152	114	582	485
Rhode Island	-	-	-	1	-	1	9	1	68	42	304	24
Connecticut	-	-	-	-	1	1	21	-	135	45	110	202
MIDDLE ATLANTIC	-	1	3	6	3	6	387	87	2,262	609	2,398	2,039
New York	-	-	2	1	2	4	171	59	951	306	1,239	1,670
New Jersey	-	-	-	-	1	-	97	5	446	42	342	274
Pennsylvania	-	1	1	5	-	2	119	23	865	261	817	95
EAST NORTH CENTRAL	2	1	4	15	-	3	467	166	3,035	1,235	4,043	3,364
Ohio	-	1	-	9	-	-	203	57	1,270	337	1,060	508
Indiana	-	-	-	3	-	-	79	22	436	172	268	318
Illinois	2	-	3	1	-	-	82	41	507	279	474	887
Michigan	-	-	1	2	-	3	94	41	739	346	823	963
Wisconsin	-	-	-	-	-	-	9	5	83	101	1,418	688
WEST NORTH CENTRAL	1	-	9	11	1	-	201	30	1,540	588	730	215
Minnesota	1	-	5	2	-	-	48	6	375	55	13	97
Iowa	-	-	1	2	-	-	60	4	349	105	222	60
Missouri	-	-	-	1	-	-	54	16	364	192	342	10
North Dakota	-	-	-	1	-	-	4	1	37	58	106	48
South Dakota	-	-	3	4	-	-	7	-	87	86	1	-
Nebraska	-	-	-	-	1	-	17	1	143	51	46	-
Kansas	-	-	-	1	-	-	11	2	185	41	NN	NN
SOUTH ATLANTIC	3	3	29	41	7	3	220	66	1,730	754	1,738	694
Delaware	-	-	-	-	-	-	4	7	43	39	52	4
Maryland	-	-	-	-	-	2	41	2	166	67	142	142
District of Columbia	-	-	-	-	-	-	3	1	16	7	5	82
Virginia	-	-	6	7	1	-	38	14	217	168	368	239
West Virginia	-	-	1	1	-	-	38	20	397	169	293	42
North Carolina	-	-	3	1	1	-	60	2	370	34	425	19
South Carolina	-	-	-	12	1	-	10	3	145	20	138	11
Georgia	-	-	3	3	-	1	5	11	181	76	-	4
Florida	3	3	16	17	4	-	21	6	195	174	315	151
EAST SOUTH CENTRAL	1	1	4	18	1	-	316	89	2,732	1,130	1,722	1,050
Kentucky	-	-	2	-	-	-	94	30	879	515	877	219
Tennessee	1	-	2	2	-	-	142	26	1,165	326	555	541
Alabama	-	-	-	10	-	-	43	24	432	228	228	149
Mississippi	-	1	-	6	1	-	37	9	256	61	62	141
WEST SOUTH CENTRAL	2	7	110	61	3	1	156	57	1,016	471	579	2,574
Arkansas	-	-	-	1	-	1	36	1	219	25	233	13
Louisiana	-	2	11	11	-	-	12	-	42	21	-	7
Oklahoma	-	-	2	5	-	-	4	6	90	73	1	49
Texas	2	5	97	44	3	-	104	50	665	352	345	2,505
MOUNTAIN	-	2	3	23	1	1	80	64	1,063	636	681	665
Montana	-	-	2	-	-	-	9	2	129	26	83	62
Idaho	-	-	-	11	-	-	4	6	61	104	47	104
Wyoming	-	-	-	5	-	-	2	-	14	4	3	-
Colorado	-	-	1	2	-	-	20	23	349	172	118	151
New Mexico	-	2	-	2	-	1	11	14	196	113	NN	-
Arizona	-	-	-	-	-	-	9	12	89	146	325	103
Utah	-	-	-	3	1	-	22	6	194	60	74	238
Nevada	-	-	-	-	-	-	3	1	31	11	31	7
PACIFIC	-	-	-	1	10	10	198	147	1,672	954	1,307	2,087
Washington	-	-	-	-	1	-	26	21	209	120	315	782
Oregon	-	-	-	-	-	-	21	34	298	202	146	262
California	-	-	-	-	9	10	146	85	1,097	584	836	615
Alaska	-	-	-	1	-	-	1	2	51	21	2	22
Hawaii	-	-	-	-	-	-	4	5	17	27	8	406
Puerto Rico	4	2	7	43	-	-	7	23	64	176	26	47

NN=Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MARCH 5, 1960 AND MARCH 4, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningoccocal infections		Psitta-cosis	Strepto-coccal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
						9th Week		Cumulative, first 9 weeks				
	110-117	057		096.2	050,051					101		
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	1	43	54	2	10,643	13	10	80	83	-	89	79
NEW ENGLAND	-	4	1	-	683	1	-	2	1	-	-	-
Maine	-	1	-	-	12	1	-	1	-	-	-	-
New Hampshire	-	1	1	-	10	-	-	-	-	-	-	-
Vermont	-	-	-	-	28	-	-	-	-	-	-	-
Massachusetts	-	2	-	-	259	-	-	1	1	-	-	-
Rhode Island	-	-	-	-	64	-	-	-	-	-	-	-
Connecticut	-	-	-	-	310	-	-	-	-	-	-	-
MIDDLE ATLANTIC	1	5	8	1	1,205	1	1	8	5	-	1	9
New York	-	1	3	-	676	1	1	2	3	-	1	9
New Jersey	-	1	3	-	252	-	-	1	-	-	-	-
Pennsylvania	1	3	2	1	277	-	-	5	2	-	-	-
EAST NORTH CENTRAL	-	9	14	-	1,453	-	2	7	7	-	6	8
Ohio	-	1	1	-	420	-	-	4	1	-	1	-
Indiana	-	2	1	-	291	-	-	1	1	-	2	4
Illinois	-	-	4	-	217	-	-	-	1	-	-	1
Michigan	-	6	6	-	293	-	2	1	4	-	2	3
Wisconsin	-	-	2	-	232	-	-	1	-	-	1	-
WEST NORTH CENTRAL	-	1	3	-	285	-	-	7	7	-	6	9
Minnesota	-	-	1	-	14	-	-	3	-	-	1	1
Iowa	-	1	-	-	57	-	-	1	-	-	3	3
Missouri	-	-	2	-	21	-	-	3	7	-	-	3
North Dakota	-	-	-	-	101	-	-	-	-	-	1	2
South Dakota	-	-	-	-	-	-	-	-	-	-	1	-
Nebraska	-	-	-	-	1	-	-	-	-	-	-	-
Kansas	-	-	-	-	91	-	-	-	-	-	-	-
SOUTH ATLANTIC	-	4	8	1	727	3	2	12	17	-	26	13
Delaware	-	-	-	1	3	-	-	-	-	-	-	-
Maryland	-	-	-	-	72	-	-	-	-	-	-	-
District of Columbia	-	-	2	-	1	-	1	-	1	-	-	-
Virginia	-	-	2	-	161	-	-	-	3	-	15	5
West Virginia	-	-	-	-	322	-	-	1	-	-	5	4
North Carolina	-	2	-	-	44	-	1	2	7	-	-	-
South Carolina	-	-	-	-	35	-	-	1	5	-	-	-
Georgia	-	-	2	-	-	3	-	7	-	-	5	4
Florida	-	2	2	-	89	-	-	1	1	-	1	-
EAST SOUTH CENTRAL	-	4	5	-	1,883	3	2	15	25	-	10	17
Kentucky	-	1	1	-	339	1	2	3	9	-	1	7
Tennessee	-	1	1	-	1,323	2	-	10	14	-	4	8
Alabama	-	1	2	-	13	-	-	2	2	-	5	2
Mississippi	-	1	1	-	208	-	-	-	-	-	-	-
WEST SOUTH CENTRAL	-	5	6	-	1,176	4	1	12	11	-	30	21
Arkansas	-	-	-	-	17	-	-	-	2	-	7	12
Louisiana	-	1	5	-	8	-	-	2	4	-	6	1
Oklahoma	-	2	-	-	9	-	-	2	1	-	-	-
Texas	-	2	1	-	1,142	4	1	8	4	-	17	8
MOUNTAIN	-	2	-	-	1,832	-	2	8	7	-	3	1
Montana	-	-	-	-	61	-	-	1	4	-	-	-
Idaho	-	-	-	-	174	-	-	-	-	-	-	-
Wyoming	-	1	-	-	61	-	-	-	-	-	-	-
Colorado	-	1	-	-	740	-	-	4	-	-	-	-
New Mexico	-	-	-	-	299	-	2	1	3	-	2	-
Arizona	-	-	-	-	164	-	-	1	-	-	1	1
Utah	-	-	-	-	284	-	-	1	-	-	-	-
Nevada	-	-	-	-	49	-	-	-	-	-	-	-
PACIFIC	-	9	9	-	1,399	1	-	9	3	-	7	1
Washington	-	-	1	-	813	-	-	1	-	-	-	-
Oregon	-	1	1	-	147	-	-	-	-	-	-	-
California	-	8	7	-	425	1	-	8	3	-	7	1
Alaska	-	-	-	-	11	-	-	-	-	-	-	-
Hawaii	-	-	-	-	3	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	13	-	-	3	12	-	-	1



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	9th week ended March 4, 1961	8th week ended Feb. 25, 1961	Adjusted average, 9th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 9 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	12,052	11,591	12,177	-1.0	110,612	119,111	-7.1
New England (14 cities)	713	711	744	-4.2	6,820	7,655	-10.9
Middle Atlantic (20 cities)	3,439*	3,220	3,355	+2.5	31,385	31,763	-1.2
East North Central (21 cities)	2,477*	2,428	2,574	-3.8	23,168	25,933	-10.7
West North Central (9 cities)	864	821	892	-3.1	7,529	8,379	-10.1
South Atlantic (11 cities)	958	1,013	1,047	-8.5	9,716	10,522	-7.7
East South Central (8 cities)	540*	596	555	-2.7	5,184	5,431	-4.5
West South Central (13 cities)	1,044	992	1,096	-4.7	9,682	10,821	-10.5
Mountain (8 cities)	454	371	364	+24.7	3,470	3,622	-4.2
Pacific (13 cities)	1,563	1,439	1,550	+0.8	13,658	14,985	-8.9

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

By place of occurrence and week of filing certificate. Excludes fetal deaths

Area	9th week ended Mar. 4, 1961	8th week ended Feb. 25, 1961	Cumulative, first 9 weeks 1961	Cumulative, first 9 weeks 1960
NEW ENGLAND:				
Boston, Mass.	252	238	2,368	2,643
Bridgeport, Conn.	30	36	369	422
Cambridge, Mass.	30	28	269	321
Fall River, Mass.	29	30	248	306
Hartford, Conn.	47	45	444	491
Lowell, Mass.	19	34	231	254
Lynn, Mass.	25	22	212	263
New Bedford, Mass.	31	26	258	260
New Haven, Conn.	46	46	449	474
Providence, R.I.	61	59	576	703
Somerville, Mass.	8	18	115	156
Springfield, Mass.	47	45	467	503
Waterbury, Conn.	27	27	259	274
Worcester, Mass.	61	59	535	585
MIDDLE ATLANTIC:				
Albany, N.Y.	41	45	456	435
Allentown, Pa.	32	34	322	321
Buffalo, N.Y.	160	155	1,346	1,506
Camden, N.J.	39	51	383	455
Elizabeth, N.J.	26	23	272	274
Erie, Pa.	31	38	364	350
Jersey City, N.J.	87	53	686	690
Newark, N.J.	91	100	971	950
New York City, N.Y.	1,772	1,689	16,042	15,721
Paterson, N.J.	42	41	377	422
Philadelphia, Pa.	528	478	4,879	5,005
Pittsburgh, Pa.	250	140	1,892	2,061
Reading, Pa.	23	20	218	219
Rochester, N.Y.	80	122	977	1,065
Schenectady, N.Y.	19	25	225	243
Scranton, Pa.	41*	37	370	398
Syracuse, N.Y.	66*	65	569	664
Trenton, N.J.	49	46	427	389
Utica, N.Y.	29	32	291	295
Yonkers, N.Y.	33*	26	308	299
EAST NORTH CENTRAL:				
Akron, Ohio	51	51	541	563
Canton, Ohio	33	42	305	374
Chicago, Ill.	729	758	7,025	8,025
Cincinnati, Ohio	155	141	1,479	1,654
Cleveland, Ohio	189	221	1,969	2,307
Columbus, Ohio	112	98	1,066	1,259
Dayton, Ohio	78	76	784	728
Detroit, Mich.	360	347	3,163	3,522
Evansville, Ind.	32	41	336	354
Flint, Mich.	43	42	388	388
Fort Wayne, Ind.	42	29	374	379
Gary, Ind.	29	36	290	308
Grand Rapids, Mich.	33	47	409	414
Indianapolis, Ind.	175	125	1,368	1,452
Madison, Wis.	45	26	290	305
Milwaukee, Wis.	124*	114	1,141	1,213
Peoria, Ill.	26	30	287	295
Rockford, Ill.	31	23	263	285
South Bend, Ind.	33	34	271	309
Toledo, Ohio	97	88	914	1,076
Youngstown, Ohio	60	57	505	591
WEST NORTH CENTRAL:				
Des Moines, Iowa	56	52	484	570
Duluth, Minn.	28	33	255	280
Kansas City, Kans.	30	43	370	352
Kansas City, Mo.	150	114	1,237	1,300
Lincoln, Nebr.	(37)	(31)	(281)	(251)
Minneapolis, Minn.	123	134	1,176	1,258
Omaha, Nebr.	85	66	668	770
WEST NORTH CENTRAL—Con.				
St. Louis, Mo.	269	261	2,283	2,606
St. Paul, Minn.	60	74	627	761
Wichita, Kans.	53	44	427	462
SOUTH ATLANTIC:				
Atlanta, Ga.	120	99	1,159	1,195
Baltimore, Md.	283	244	2,388	2,732
Charlotte, N.C.	39	43	347	440
Jacksonville, Fla.	48	65	585	676
Miami, Fla.	89	88	726	782
Norfolk, Va.	44	69	475	478
Richmond, Va.	74	75	807	849
Savannah, Ga.	34	25	344	385
St. Petersburg, Fla.	(79)	(89)	(739)	(770)
Tampa, Fla.	50	73	661	644
Washington, D.C.	161	180	1,842	1,945
Wilmington, Del.	36	54	383	398
EAST SOUTH CENTRAL:				
Birmingham, Ala.	80	103	885	871
Chattanooga, Tenn.	57	53	502	492
Knoxville, Tenn.	29	40	295	304
Louisville, Ky.	128*	117	1,076	1,191
Memphis, Tenn.	112	129	1,062	1,122
Mobile, Ala.	42	49	389	430
Montgomery, Ala.	43	35	282	354
Nashville, Tenn.	59	70	575	647
WEST SOUTH CENTRAL:				
Austin, Tex.	27	31	323	411
Baton Rouge, La.	19	17	275	306
Corpus Christi, Tex.	23	20	254	290
Dallas, Tex.	131	114	1,166	1,251
El Paso, Tex.	30	22	350	439
Fort Worth, Tex.	76	78	686	708
Houston, Tex.	201	179	1,722	1,829
Little Rock, Ark.	64	67	587	639
New Orleans, La.	171	177	1,650	1,939
Oklahoma City, Okla.	90	56	739	775
San Antonio, Tex.	104	109	1,000	1,112
Shreveport, La.	52	56	505	586
Tulsa, Okla.	53	55	536	624
MOUNTAIN:				
Albuquerque, N. Mex.	38	30	306	308
Colorado Springs, Colo.	21	17	150	178
Denver, Colo.	142	122	1,084	1,255
Ogden, Utah	20	17	142	164
Phoenix, Ariz.	106	80	790	745
Pueblo, Colo	17	16	146	134
Salt Lake City, Utah	58	58	475	498
Tucson, Ariz.	50	38	376	340
PACIFIC:				
Berkeley, Calif.	24	16	158	175
Fresno, Calif.	(40)	(45)	(407)	(508)
Glendale, Calif.	(25)	(21)	(304)	(435)
Honolulu, Hawaii	41	39	377	399
Long Beach, Calif.	50	62	550	541
Los Angeles, Calif.	580	530	4,990	5,745
Oakland, Calif.	84	95	906	989
Pasadena, Calif.	26	34	286	364
Portland, Oreg.	90	105	954	1,011
Sacramento, Calif.	91	80	629	639
San Diego, Calif.	113	77	829	861
San Francisco, Calif.	207	205	1,971	2,034
San Jose, Calif.	(30)	(37)	(306)	(371)
Seattle, Wash.	138	109	1,211	1,321
Spokane, Wash.	52	49	407	481
Tacoma, Wash.	50	31	394	414
San Juan, P. R.	(---)	(40)	(370)	(387)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

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illness or within the first four days, and may reappear after an absence of several days. It is a bright, pinkish, diffuse, finally maculopapular eruption occurring on the face, trunk and extremities. The tiny macules measure from 1 to 3 mm. in diameter. The majority of the patients have experienced mild to moderate pruritis and one noted a fine brawny desquamation as the rash cleared. White blood counts are usually low, but with some variation.

The first case occurred January 18 in a boy who had spent Christmas vacation at his home in Massachusetts and had also visited Connecticut and New York before returning to school on January 4. The next case occurred February 3 in a boy who sat at the same table with the first case. Two cases occurred February 7, and thereafter increasing numbers were affected so that by February 27, about 40% of the boys in the school had become ill. New cases continue to occur daily.

During the outbreak it was wisely decided not to close the school or send the boys home. The school officials made every effort to contain the outbreak by restricting social contacts of the students. No cases have been reported outside the private school. Throat washings, fecal and blood specimens from 15 cases were collected on February 24 for laboratory study.

(Submitted by Dr. Linus J. Leavens, Director, Communicable Disease Control Services, Vermont Department of Health.)

INTERNATIONAL NOTES

Influenza – England and Wales

The British Ministry of Health, London, reports that the epidemic of A_2 influenza is subsiding in all parts of England and Wales. Deaths due to influenza, pneumonia, and bronchitis reported for the week ending February 25 have declined markedly from the levels reported during preceding weeks.

Smallpox – Madrid, Spain

The Division of Foreign Quarantine has informed us that recently smallpox was imported to Madrid, Spain by a child who flew from Bombay to Rome on TWA flight #809, January 26 and from Rome to Madrid on Alitalia #346, January 27. Diagnosis was made on February 6 and death occurred on February 14.

A secondary case in Madrid was confirmed on February 23 and 13 additional cases were reported for the week ending March 4. We have been advised that a smallpox vaccination campaign is in progress.

Recent Smallpox Vaccination Recommended for Persons Traveling to Spain

The Public Health Service recommends that persons traveling to Spain should have had a successful smallpox vaccination performed within one year of the date of departure as a precautionary measure. It should be emphasized that this is a recommendation and not a quarantine requirement. The three-year period of validity for the smallpox vaccination certificate for entering the United States remains the same.

FOR SOURCE AND NATURE OF MORBIDITY DATA SEE LAST WEEK'S MORBIDITY AND MORTALITY WEEKLY REPORT

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